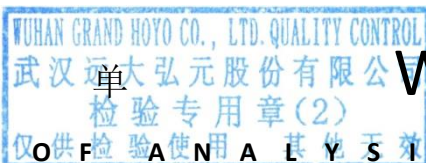


武汉远大弘元股份有限公司

WUHAN GRAND HOYO CO., LTD.

质 检



WUBC

C E R T I F I C A T E

ANALYSIS

C201-2025011046-1

产品名称: L-半胱氨酸盐酸盐一水物 Product: L-Cysteine Hydrochloride Monohydrate CAS No: (7048-04-6) 重 量: Quantity: 1000kg 批 号: Lot No: C201-2025011046 报告日期: Date: MAR 24,		
2025 Item 项目	Specification 标准	Result 检测结果
外 观 Appearance	White crystalline powder	conforms
鉴 别 Identification	Infrared Absorption	conforms
比旋度 Specific rotation $[\alpha]_D^{25}$	+5.7 to +6.8°	+6.2°
硫 酸 根 Sulfate(SO4)	≤ 0.03%	<0.03 %
铁 Iron(Fe)	≤ 30ppm	<30ppm
重 金 属 Heavy metals	≤ 15ppm	<10ppm
干燥失重 Loss on drying	8.0 to 12.0%	11.2%
灼烧残渣 Residue on ignition(sulfated)	≤ 0.4%	<0.1%
含 量 Assay	98.5 to 101.5 %	99.9%

结论 Conclusion: Agree with the specification of usp 43.

Manu. Date: JAN 06, 2025

Retest Date: JAN 05, 2027

检验报告员: 陈彩红
Inspector:

复核人: 赵敏
Auditor:

质检部负责人: 张婷
Chief of QC: